

MD 2 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION

#### PROPOSED LED SIGNALS

1,2,3,4 5,6,7,8  
Y R  
12" 12"

#### PROPOSED SIGNS

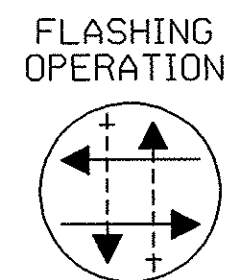
9a Grovers Turn RD  
9b Grovers Turn RD  
D-3(1) (96"x16") DUAL FACED  
10a Old Solomons Island RD  
10b Old Solomons Island RD  
D-3(1) (96"x16") DUAL FACED  
12,17 Solomons Island RD  
D-3(1) (96"x16") DUAL FACED  
11 NORTH MARYLAND 2 SHIELD ASSEMBLY (36"x75")  
14 SOUTH MARYLAND 2 SHIELD ASSEMBLY (24"x51")  
16 SOUTH MARYLAND 2 SHIELD ASSEMBLY (36"x75")  
19 NORTH MARYLAND 2 SHIELD ASSEMBLY (24"x51")

LINE HEIGHTS (LH) 1  
PRIMARY (35'-8")  
NEUTRAL (33'-4")  
CABLE (30'-5")  
TELEPHONE (28'-2")

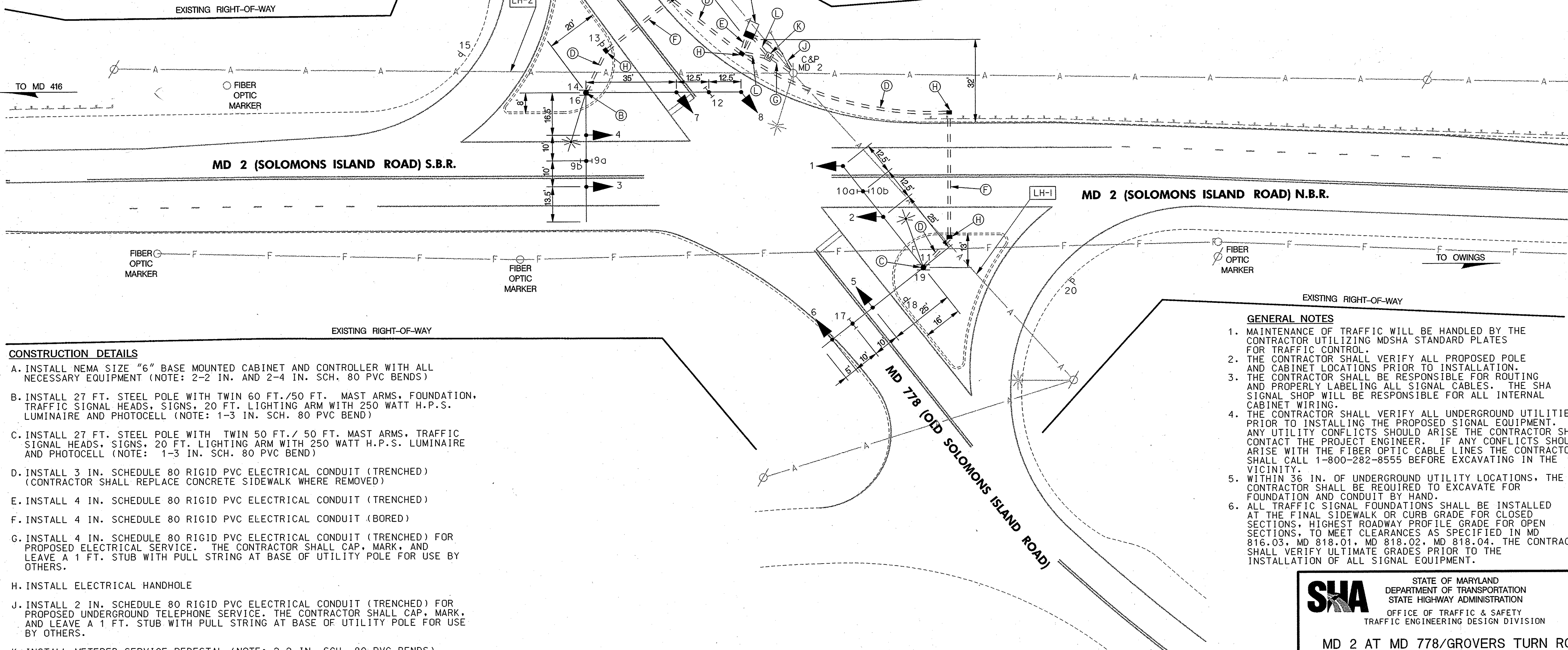
LINE HEIGHTS (LH) 2  
SECONDARY (26'-7")  
NEUTRAL (23'-2")  
CABLE (22'-3")  
TELEPHONE (20'-6")

#### EXISTING SIGNS TO REMAIN

13,18 STOP  
15,20 YIELD



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



#### CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCH. 80 PVC BENDS)
- INSTALL 27 FT. STEEL POLE WITH TWIN 60 FT./50 FT. MAST ARMS, FOUNDATION, TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. SCH. 80 PVC BEND)
- INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. SCH. 80 PVC BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) (CONTRACTOR SHALL REPLACE CONCRETE SIDEWALK WHERE REMOVED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. SCH. 80 PVC BENDS)
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

#### UTILITY LEGEND

SD STORM DRAIN  
G GAS MAIN  
W WATER MAIN  
S SEWER MAIN  
E ELECTRIC CABLES  
A AERIAL CABLES  
T TELEPHONE CABLES  
F FIBER-OPTIC

#### GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER. IF ANY CONFLICTS SHOULD ARISE WITH THE FIBER OPTIC CABLE LINES THE CONTRACTOR SHALL CALL 1-800-282-8555 BEFORE EXCAVATING IN THE VICINITY.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AT MD 778/GROVES TURN ROAD

#### TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 06/2006 CONTRACT NO. AT915185

DESIGNED BY SDY COUNTY CALVERT  
DRAWN BY AMT LOGMILE 04000231.39  
CHECKED BY BAB C3W T.I.M.S. NO. H773  
F.A.P. NO. TOD NO.

DRAWING NO. TS - 4490 OF SHEET NO. 1 OF 2

| APPROVALS  | REVISIONS |
|--|-----------|
| <i>Walter A. Hensel</i><br>6-21-06<br>TELEPHONE        |           |
| <i>Michael R. Smith</i><br>6-21-06<br>ASST. DIV. CHIEF |           |
| <i>Walter A. Hensel</i><br>6-21-06<br>DIVISION CHIEF   |           |
| <i>Walter A. Hensel</i><br>6-21-06<br>OFFICE DIRECTOR  |           |

TOD No.: AT915-02  
SHA No.: CA342A51/B51

PLOTTED: THURSDAY, JUNE 15, 2006 AT 01:11 PM  
FILE: I:\PROJECTS\0312513\0312513\_0019\DRAWINGS\TRAVSPG-P001.MD2.DGN